



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Liu, Yi  
Serial No.: 09/702,074  
Patent No.: 6,826,965  
Issued: December 7, 2004  
For: ANTI-PARALLEL TAG FLOW  
MEASUREMENT SYSTEM  
Docket No.: PAN-147J

Certificate  
FEB 24 2005  
of Correction

Attn.: Certificate of Corrections Branch  
Branch of the Patent Issue Division  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to Attn.: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 15, 2005.

  
Olga Kadish

02/22/2005 MWOLDGE2 00000083 6826965  
01 FC:1811

100.00 DP

REQUEST FOR CERTIFICATE OF CORRECTION

1. Attached hereto in duplicate is Form PTO/SB/44 with at least one (1) copy being suitable for printing.
2. The exact columns and line numbers where the errors occurred are in the issued patent at:

Abstract, at line 4: "scatters in the fluid. The direction of signal propagation in" should read "scatterers in the fluid. The direction of signal propagation in";

PAN-147J  
TET:ok



column 3, line 37: “tivel” should read “tively.”;

column 4, line 47: “as would be useful for measuring c, the CW wave maybe”  
should read “as would be useful for measuring c, the CW wave may be”;

column 5, line 61: “pairs of transmitter and receiver, the caosstalk from one”  
should read “pairs of transmitter and receiver, the crosstalk from one”;

column 6, line 3: “propagating along the pipe wall to an adjacent receive of the”  
should read “propagating along the pipe wall to an adjacent receiver of the”;

column 6, line 66: “direction from its corresponding transmitter T1 or R2, and”  
should read “direction from its corresponding transmitter T1 or T2, and”;

column 7, line 1: “axial direction be less tan that of the transmitters. The” should  
read “axial direction be less than that of the transmitters. The”;

claim 8, column 8, line 58: “second pair, and receive signals are demodulated at  
their” should read “second pair, and received signals are demodulated at their”;

claim 10, column 9, line 7: “figured define first and second transit paths across a”  
should read “figured to define first and second transit paths across a”;

claim 10, column 9, line 12: “a signal processor configured to process signals  
receive” should read “a signal processor configured to process signals received”.

3. The mistakes are of a minor character of a clerical or typographical nature that were made by both the Patent Office and the applicant, the latter having been made in good faith, and do not involve changes that would constitute new matter or require reexamination. The above mistakes that were made by the Patent Office were at: column 4, line 47; column 5, line 61; column 6, line 3; column 6, line 66; column 7, line 1;



column 8, line 58; column 9, line 7; and column 9, line 12.

4. A check in the amount of \$100.00 is enclosed.
5. Please send the Certificate of Correction to:

Thomas E. Thompson, Jr.  
Iandiorio & Teska  
260 Bear Hill Road  
Waltham, MA 02451-1018

6. If for any reason this Request is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

Respectfully submitted,



---

Thomas E. Thompson, Jr.  
Reg. No. 47,136



**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 6,826,965  
DATED : December 7, 2004  
INVENTOR(S) : Liu, Yi

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Abstract, at line 4: "scatters in the fluid. The direction of signal propagation in" should read "scatterers in the fluid. The direction of signal propagation in";

column 3, line 37: "tivel" should read "tively.";

column 4, line 47: "as would be useful for measuring c, the CW wave maybe" should read "as would be useful for measuring c, the CW wave may be";

column 5, line 61: "pairs of transmitter and receiver, the caosstalk from one" should read "pairs of transmitter and receiver, the crosstalk from one";

column 6, line 3: "propagating along the pipe wall to an adjacent receive of the" should read "propagating along the pipe wall to an adjacent receiver of the";

column 6, line 66: "direction from its corresponding transmitter T1 or R2, and" should read "direction from its corresponding transmitter T1 or T2, and";

column 7, line 1: "axial direction be less tan that of the transmitters. The" should read "axial direction be less than that of the transmitters. The";

claim 8, column 8, line 58: "second pair, and receive signals are demodulated at their" should read "second pair, and received signals are demodulated at their";

claim 10, column 9, line 7: "figured define first and second transit paths across a" should read "figured to define first and second transit paths across a";

claim 10, column 9, line 12: "a signal processor configured to process signals receive" should read "a signal processor configured to process signals received".

## MAILING ADDRESS OF SENDER:

Thomas E. Thompkins, Jr.  
Iandiorio & Teska  
260 Bear Hill Road  
Waltham, MA 02451-1018

PATENT NO. 6,826,965

MAR 7 2005

No. of additional copies

→ 1

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,826,965  
 DATED : December 7, 2004  
 INVENTOR(S) : Liu, Yi

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Abstract, at line 4: "scatters in the fluid. The direction of signal propagation in" should read "scatterers in the fluid. The direction of signal propagation in";

column 3, line 37: "tivel" should read "tively";

column 4, line 47: "as would be useful for measuring c, the CW wave maybe" should read "as would be useful for measuring c, the CW wave may be";

column 5, line 61: "pairs of transmitter and receiver, the caosstalk from one" should read "pairs of transmitter and receiver, the crosstalk from one";

column 6, line 3: "propagating along the pipe wall to an adjacent receive of the" should read "propagating along the pipe wall to an adjacent receiver of the";

column 6, line 66: "direction from its corresponding transmitter T1 or R2, and" should read "direction from its corresponding transmitter T1 or T2, and";

column 7, line 1: "axial direction be less tan that of the transmitters. The" should read "axial direction be less than that of the transmitters. The";

claim 8, column 8, line 58: "second pair, and receive signals are demodulated at their" should read "second pair, and received signals are demodulated at their";

claim 10, column 9, line 7: "figured define first and second transit paths across a" should read "figured to define first and second transit paths across a";

claim 10, column 9, line 12: "a signal processor configured to process signals receive" should read "a signal processor configured to process signals received".

## MAILING ADDRESS OF SENDER:

Thomas E. Thompkins, Jr.  
 landiorio & Teska  
 260 Bear Hill Road  
 Waltham, MA 02451-1018

PATENT NO. 6,826,965

No. of additional copies

 1

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*





Joseph S. Iandiorio  
Kirk Teska  
Jason D. Shanske  
Thomas E. Thompkins, Jr.  
Roy J. Coleman  
David W. Poirier

## **IANDIORIO & TESKA**

INTELLECTUAL PROPERTY LAW ATTORNEYS

260 BEAR HILL ROAD  
WALTHAM, MASSACHUSETTS 02451-1018

Tel: (781) 890-5678  
Fax: (781) 890-1150  
e-mail: [admin@iandiorio.com](mailto:admin@iandiorio.com)  
web: [www.iandiorio.com](http://www.iandiorio.com)

February 15, 2005

Attn.: Certificate of Correction  
Branch of the Patent Issue Division  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBJECT:	Applicant:	Yi Liu
	Serial No.:	09/702,074
	Filed:	October 30, 2000
	Patent No.:	6,826,965
	Issued:	December 7, 2004
	For:	ANTI-PARALLEL TAG FLOW MEASUREMENT SYSTEM
	Examiner:	Lilybett Martir
	Group:	2855
	Docket No.:	PAN-147J

Dear Sir:

Enclosed is a Request for a Certificate of Correction, and a Certificate of Correction in duplicate regarding same for the subject application, and a check in the amount of \$100.00 for the fee under 37 CFR §1.20(a).

If for any reason this REQUEST is found to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

In addition, pursuant to Rule 1.136(a)(3), the Office is hereby authorized to treat any reply requiring an extension of time as incorporating a request therefor. Also, any



Commissioner for Patents  
February 15, 2005  
Page 2

request or Petition for an Extension of Time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

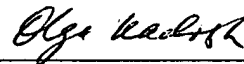


Thomas E. Thompson, Jr.  
Reg. No. 47,136

TET:ok  
Enclosures

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to Attn.: Certificate of Correction Branch of the Patent Issue Division, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 15, 2005.



Olga Kadish





Joseph S. Iandiorio  
Kirk Teska  
Jason D. Shanske  
Thomas E. Thompkins, Jr.  
Roy J. Coleman  
David W. Poirier

## IANDIORIO & TESKA

INTELLECTUAL PROPERTY LAW ATTORNEYS

260 BEAR HILL ROAD  
WALTHAM, MASSACHUSETTS 02451-1018

Tel: (781) 890-5678  
Fax: (781) 890-1150  
e-mail: [admin@iandiorio.com](mailto:admin@iandiorio.com)  
web: [www.iandiorio.com](http://www.iandiorio.com)

February 15, 2005

Attn.: Certificate of Correction  
Branch of the Patent Issue Division  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBJECT:	Applicant:	Yi Liu
	Serial No.:	09/702,074
	Filed:	October 30, 2000
	Patent No.:	6,826,965
	Issued:	December 7, 2004
	For:	ANTI-PARALLEL TAG FLOW MEASUREMENT SYSTEM
	Examiner:	Lilybett Martir
	Group:	2855
	Docket No:	PAN-147J

Dear Sir:

Enclosed is a Request for a Certificate of Correction, and a Certificate of Correction in duplicate regarding same for the subject application, and a check in the amount of \$100.00 for the fee under 37 CFR §1.20(a).

If for any reason this REQUEST is found to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

In addition, pursuant to Rule 1.136(a)(3), the Office is hereby authorized to treat any reply requiring an extension of time as incorporating a request therefor. Also, any



Commissioner for Patents

February 15, 2005

Page 2

request or Petition for an Extension of Time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

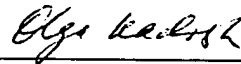


Thomas E. Thompkins, Jr.  
Reg. No. 47,136

TET:ok  
Enclosures

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to Attn.: Certificate of Correction Branch of the Patent Issue Division, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 15, 2005.



Olga Kadish